Layer (type)	Output Shape	Param #
input_1 (InputLayer)	(None, 1)	0
lambda_1 (Lambda)	(None, 512)	0
dense_1 (Dense)	(None, 16)	8208
dropout_1 (Dropout)	(None, 16)	0
dense_2 (Dense)	(None, 1)	17

Total params: 8,225
Trainable params: 8,225
Non-trainable params: 0

Train on 80000 samples, validate on 20000 samples
Epoch 1/30
80000/80000 [==============================] - 173s 2ms/step - loss: 0.4674 - acc: 0.7962 - val_loss: 0.3689 - val_acc: 0.8379
Epoch 2/30
80000/80000 [==============================] - 176s 2ms/step - loss: 0.3785 - acc: 0.8365 - val_loss: 0.3504 - val_acc: 0.8461
Epoch 3/30
80000/80000 [==============================] - 171s 2ms/step - loss: 0.3670 - acc: 0.8429 - val_loss: 0.3456 - val_acc: 0.8476
Epoch 4/30
80000/80000 [==============================] - 171s 2ms/step - loss: 0.3606 - acc: 0.8455 - val_loss: 0.3403 - val_acc: 0.8484
Epoch 5/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3564 - acc: 0.8481 - val_loss: 0.3387 - val_acc: 0.8511
Epoch 6/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3535 - acc: 0.8488 - val_loss: 0.3359 - val_acc: 0.8512
Epoch 7/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3504 - acc: 0.8500 - val_loss: 0.3344 - val_acc: 0.8506
Epoch 8/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3487 - acc: 0.8506 - val_loss: 0.3319 - val_acc: 0.8516
Epoch 9/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3477 - acc: 0.8527 - val_loss: 0.3313 - val_acc: 0.8521
Epoch 10/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3467 - acc: 0.8530 - val_loss: 0.3294 - val_acc: 0.8535
Epoch 11/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3449 - acc: 0.8541 - val_loss: 0.3284 - val_acc: 0.8540
Epoch 12/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3428 - acc: 0.8548 - val_loss: 0.3272 - val_acc: 0.8549
Epoch 13/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3420 - acc: 0.8553 - val_loss: 0.3275 - val_acc: 0.8536
Epoch 14/30
80000/80000 [==============================] - 171s 2ms/step - loss: 0.3427 - acc: 0.8547 - val_loss: 0.3258 - val_acc: 0.8555
Epoch 15/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3415 - acc: 0.8559 - val_loss: 0.3250 - val_acc: 0.8556
Epoch 16/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3398 - acc: 0.8571 - val_loss: 0.3254 - val_acc: 0.8545
Epoch 17/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3392 - acc: 0.8559 - val_loss: 0.3233 - val_acc: 0.8569
Epoch 18/30
80000/80000 [==============================] - 172s 2ms/step - loss: 0.3394 - acc: 0.8579 - val_loss: 0.3232 - val_acc: 0.8575
Epoch 19/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3384 - acc: 0.8571 - val_loss: 0.3218 - val_acc: 0.8572
Epoch 20/30
80000/80000 [==============================] - 171s 2ms/step - loss: 0.3370 - acc: 0.8581 - val_loss: 0.3214 - val_acc: 0.8581
Epoch 21/30
80000/80000 [==============================] - 171s 2ms/step - loss: 0.3368 - acc: 0.8586 - val_loss: 0.3209 - val_acc: 0.8588
Epoch 22/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3360 - acc: 0.8588 - val_loss: 0.3201 - val_acc: 0.8580
Epoch 23/30
80000/80000 [==============================] - 171s 2ms/step - loss: 0.3350 - acc: 0.8590 - val_loss: 0.3225 - val_acc: 0.8570
Epoch 24/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3350 - acc: 0.8581 - val_loss: 0.3193 - val_acc: 0.8600
Epoch 25/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3335 - acc: 0.8597 - val_loss: 0.3187 - val_acc: 0.8603
Epoch 26/30
80000/80000 [==============================] - 182s 2ms/step - loss: 0.3340 - acc: 0.8597 - val_loss: 0.3185 - val_acc: 0.8599
Epoch 27/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3346 - acc: 0.8590 - val_loss: 0.3180 - val_acc: 0.8605
Epoch 28/30
80000/80000 [==============================] - 171s 2ms/step - loss: 0.3324 - acc: 0.8605 - val_loss: 0.3181 - val_acc: 0.8605
Epoch 29/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3308 - acc: 0.8602 - val_loss: 0.3177 - val_acc: 0.8616

Epoch 30/30
80000/80000 [==============================] - 170s 2ms/step - loss: 0.3320 - acc: 0.8608 - val_loss: 0.3168 - val_acc: 0.8610

model accuracy & loss